S

(Use several sheets if necessary)

ATTY, DOCKET NO.	APPLICATION NO.
8932-148	To Be Assigned
APPLICANT	
G. SCHMIDMAIER et al.	
FILING DATE	GROUP
To Be Assigned	To Be Assigned

_		•	<u> </u>	S. PATENT DOCUMENTS		·		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPR	G DATE COPRIATE
KG	AA	4,338,926	07/1982	Kummer et al.	128	92 BC		
	AB	4,563,489	01/1986	Urist	524	21	<u> </u>	
	AC	4,828,563	05/1989	Müller-Lierheim	623	16		
	AD	4,902,515	02/1990	Loomis et al.	424	486		<u> </u>
	ΑE	4,962,091	10/1990	Eppstein et al.	514	2 0		
	AF	5,258,034	11/1993_	Furlong et al.	623	23 vi		0
	AG	5,281,419	01/1994	Tuan et al.	424	426		0
	АН	5,344,654	09/1994	Rueger et al.	424	423 6		0
	Al	5,397,572	03/1995	Coombes et al.	424	426		
	AJ	5,458,653	10/1995	Davidson	623	23	ļ	
	AK	5,492,697	02/1996	Boyan et al.	424	422		
	AL	5,697,976	12/1997	Chesterfield et al.	623	11		
	AM	5,756,145	05/1 <u>998</u>	Darouiche	427	2.24		
	AN	5,824,088	10/1998	Kirsch	623	16		
	AO	5,830,493	11/1998	Yokota et al.	424	426	<u> </u>	
	AP	5,854,207	12/1998	Lee et al.	514	2		
	AQ	5,876,452	03/1999	Athanasiou et al.	623	16		
	AR	5,876,446	03/1999	Agrawal et al.	623	11		
KG	AS	5,916,870	06/1999	Lee et al.	514	2		
<u> </u>		y	FORI	EIGN PATENT DOCUMENTS				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	SLATION of Only
<u> </u>	 		 _				YE\$	NO
KG	AT	EP 0 567 391 A1	10/1993	European			X	
	AU	WO 93/20859	10/1993	WIPO	H		X	├
-	AV `	EP 0 652 017 A1	05/1995	European			X	
	AW	WO 97/47254	12/1997	European			X	<u> </u>
KO	AX	EP 0 850 651 A2	07/1998	European		L	Х	<u> </u>

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER

DATE CONSIDERED 5/21/03

			·		ATTY, DOCKET NO.		APPLICATION NO		
O ALST OF REFERENCES CITED BY APPLICANT				8932-148 09/801,752					
017	6.1	(Use several sheets if		LICANT	G. SCHMIDMAIER et al.				
llu o .	5	(Ose several silects in	necessary)		FILING DATE		GROUP		
UN 0 4 2	2001				March 29, 2001		1646	_	
>	SEE!		U	.S. PATENT DOCL	JMENTS				
ADEMAN EXAMINATION		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILIN IF APP	G DATE
KG	AA	5,725,491	3/1998	Tipton et al.		602	43		
_\	AB	5,670,161	9/1997	Healy et al.		424	426		
	AC	5,656,598	8/1997	Dunstan et al.		514	12		
	AD	5,614,496	3/1997	Dunstan et al.		514	12		
	AE	5,573,401	11/1996	Davidson et a	ıl	433	201.1		
	AF	5,548,035	8/1996	Kim et al.		525	408		
1	AG	5,514,380	5/1996	Song et al.		424	426		
KG	АН	5,502,074	3/1996	Cullinan et al.		514	443		
			FOR	EIGN PATENT DO	CUMENTS				
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRAN:	SLATIC Abstrac
							<u> </u>	YES	N
KC	Al	EP 0 652 017 B1	8/1999	Europe			 -	*X	
-	AJ	WO 98/19699	5/1998	PCT			>		
\bot	AK	WO 97/32594	9/1997	PCT					
	AL	WO 97/37848	10/1997	PCT					
	АМ	WO 97/24369	7/1997	PCT					
	AN	WO 97/10849	3/1997	PCT					
	AO	WO 96/38167	12/1996	РСТ					
	- AP	DE 195 14 104 C2	11/1996	Germany				*X	
	AQ	WO 96/11403	4/1996	PCT				*X	
	AR	WO 96/05825	2/1996	PCT					
	AS	EP 0 395 187 B1	1/1996	Europe					
	АТ	WO 95/34251	12/1995	PCT					
	AU	WO 95/24211	9/1995	PCT					
	AV	WO 95/22318	8/1995	PCT					
	AW	DE 43 34 272 C2	4/1995	Germany				*X	
	AX	WO 92/00110	1/1992	PCT					
	AY	WO 91/11148	8/1991	PCT					
KG	AZ	0 198 213 B1	8/1990	Europe					
			<u> </u>		itle, Date, Pertinent Pages, I	Etc.)		-	
146	ВА		•		Stents Using A Biodegra		Delivery		

1

A(8):1272-1285 (August, 1996). K. Nakamura et al., "Local Application of Basic Fibroblast Growth Factor Into the Bone Increases Bone Mass at the Applied Site in Rabbits," Arch Orthop Trauma surg, 115:344-346 (1996). T. Einhorn, "Current Concepts Review Enhancement of Fracture-Healing," The Journal of Bone and Journal of Bone and Journal of Bone and Journal of Bone and Journal of Corthop Scand, 65(1):37-41 (1994). M. Lind et al., "Chemotaxis of Human Osteoblasts, Effects of Osteotropic Growth Factors," APMIS,103 (146 (1993)). M. Lind et al., "Chemotaxis of Human Osteoblasts, Effects of Osteotropic Growth Factors," APMIS,103 (146 (1993)). M. Lind et al., "Transforming Growth Factor-B Enhances Fracture Healing in Rabbit Tibiae," Acta Orthor Scand, 64(5):553-556 (1993). J. Andrew et al., "Demonstration of TGF-B1 mRNA by In Situ Hybridization in Normal Human Fracture Healing," Calcif Tissue Int, 52:74-78 (1993). BJ. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). BJ. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rat Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-B and the Initiation of Chondrogenesis and Osteogenesis the Rat Fermur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). M. Noda et al., "Transforming Growth Factor-B Stimulates Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-B," Endocrinology, 124(6):2991-2994 (1989). BN. Noda et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Uninitateral Arterial Infusion of GH and IGF-I on Tibial Longitudina	<u> </u>							
K. Nakamura et al., "Local Application of Basic Fibroblast Growth Factor Into the Bone Increases Bone Mass at the Applied Site in Rabbits," Arch Orthop Trauma surg, 115:344-346 (1996). T. Einhorn, "Current Concepts Review Enhancement of Fracture-Healing," The Journal of Bone and Journal of Bone Bone Mass and Bone Marks Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-& Stimulates Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "Insulin-Like Growth Factor Business Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "Insulin-Like Growth Factor Business Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth In Has The American Physiological Society, pps. E387-E372 (1986).		16		S. Trippel, et al., "Growth Factors As Therapeutic Agents," The Journal of Bone and Joint Surgery, 78-				
Mass at the Applied Site in Rabbits," Arch Orthop Trauma surg, 115:344-346 (1996). T. Einhorn, "Current Concepts Review Enhancement of Fracture-Healing," The Journal of Bone and Josurgery, Incorporated, 77-A(6):940-956 (June, 1995). Nelsen et al., "Location Injection of TGF-& Increases the Strength of Tibial Fractures in the Rat," Acta Orthop Scand, 65(1):37-41 (1994). M. Lind et al., "Chemotaxis of Human Osteoblasts, Effects of Osteotropic Growth Factors," APMIS,103 146 (1993). M. Lind et al., "Transforming Growth Factor-B Enhances Fracture Healing in Rabbit Tibiae," Acta Orthor Scand, 64(5):553-556 (1993). J. Andrew et al., "Demonstration of TGF-&1 mRNA by In Situ Hybridization in Normal Human Fracture Healing," Calcif Tissue Int, 52:74-78 (1993). P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rab Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-B and the Initiation of Chondrogenesis and Osteogenesis the Rat Fernur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-B Stimulates Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-B," Endocrinology, 126(1)291-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Ce Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-I on Longitudinal Bone Grow				A(8) :1272-1285 (August, 1996).				
Mass at the Applied Site in Rabbits." Arch Orthop Trauma surg, 115:344-346 (1996). T. Einhorn, "Current Concepts Review Enhancement of Fracture-Healing," The Journal of Bone and Journal of London Surgery, Incorporated, 77-A(6):940-956 (June, 1995). Nielsen et al., "Location Injection of TGF-ß Increases the Strength of Tibial Fractures in the Rat," Acta Orthop Scand, 65(1):37-41 (1994). M. Lind et al., "Chemotaxis of Human Osteoblasts, Effects of Osteotropic Growth Factors," APMIS,103 146 (1993). M. Lind et al., "Transforming Growth Factor-ß Enhances Fracture Healing in Rabbit Tibiae," Acta Orthop Scand, 64(5):553-556 (1993). J. Andrew et al., "Demonstration of TGF-ß1 mRNA by In Situ Hybridization in Normal Human Fracture Healing," Calcif Tissue Int, 52:74-78 (1993). P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)." Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rat Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Fermur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). BL J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology, 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unitateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int., 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-I		1		K. Nakamura et al., "Local Application of Basic Fibroblast Growth Factor Into the Bone Increases Bone				
Surgery, Incorporated, 77-A(6):940-956 (June, 1995). Nielsen et al., "Location Injection of TGF-ß Increases the Strength of Tibial Fractures in the Rat," Acta Onthop Scand, 65(1):37-41 (1994). M. Lind et al., "Chemotaxis of Human Osteoblasts, Effects of Osteotropic Growth Factors," APMIS,103 146 (1993). M. Lind et al., "Transforming Growth Factor-ß Enhances Fracture Healing in Rabbit Tibiae," Acta Ontho Scand, 64(5):553-556 (1993). J. Andrew et al., "Demonstration of TGF-ß1 mRNA by In Situ Hybridization in Normal Human Fracture Healing," Calcif Tissue Int, 52:74-78 (1993). P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics Tracture-Healing in a Rat Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae." Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß." Endocrinology, 124(6):2991-2994 (1989). A. Nilsson et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cerebication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-1 on Tibial Longitudinal Bone Growth In Has The American Physiological Society, pps. E367-E372 (1986).		\perp	BC	Mass at the Applied Site in Rabbits," Arch Orthop Trauma surg, 115:344-346 (1996).				
Notes the state of	TF	ster.		T. Einhorn, "Current Concepts Review Enhancement of Fracture-Healing," The Journal of Bone and Joint				
M. Lind et al., "Chemotaxis of Human Osteoblasts, Effects of Osteotropic Growth Factors," APMIS,103 146 (1993). M. Lind et al., "Chemotaxis of Human Osteoblasts, Effects of Osteotropic Growth Factors," APMIS,103 146 (1993). M. Lind et al., "Transforming Growth Factor-ß Enhances Fracture Healing in Rabbit Tibiae," Acta Orthology. Scand, 64(5):553-556 (1993). J. Andrew et al., "Demonstration of TGF-ß1 mRNA by In Situ Hybridization in Normal Human Fracture Healing," Calcif Tissue Int, 52:74-78 (1993). P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rat Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replicing Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology, 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Center Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).	<u>"</u>	6		Surgery, Incorporated, 77-A(6):940-956 (June, 1995).				
Orthop Scand, 65(1):37-41 (1994). M. Lind et al., "Chemotaxis of Human Osteoblasts, Effects of Osteotropic Growth Factors," APMIS,103 146 (1993). M. Lind et al., "Transforming Growth Factor-ß Enhances Fracture Healing in Rabbit Tibiae," Acta Orthor Scand, 64(5):553-556 (1993). J. Andrew et al., "Demonstration of TGF-ß1 mRNA by In Situ Hybridization in Normal Human Fracture Healing," Calcif Tissue Int, 52:74-78 (1993). P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rat Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replicing in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-I on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).		12001	† \	Nielsen et al., "Location Injection of TGF-ß Increases the Strength of Tibial Fractures in the Rat," Acta				
BG Scand, 64(5):553-556 (1993). BH Lind et al., "Transforming Growth Factor-ß Enhances Fracture Healing in Rabbit Tibiae," Acta Orthon Scand, 64(5):553-556 (1993). BH J. Andrew et al., "Demonstration of TGF-ß1 mRNA by In Situ Hybridization in Normal Human Fracture Healing," Calcif Tissue Int, 52:74-78 (1993). BI P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rab Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replicin Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).		1	æ/ = =	Orthop Scand, 65(1) :37-41 (1994).				
M. Lind et al., "Transforming Growth Factor-ß Enhances Fracture Healing in Rabbit Tibiae," Acta Orthon Scand, 64(5):553-556 (1993). BH	ZRAN!	ADEM ARKS		M. Lind et al., "Chemotaxis of Human Osteoblasts, Effects of Osteotropic Growth Factors," APMIS,103:140				
BG Scand, 64(5):553-556 (1993). J. Andrew et al., "Demonstration of TGF-ß1 mRNA by In Situ Hybridization in Normal Human Fracture Healing," Calcif Tissue Int, 52:74-78 (1993). P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rat Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unitateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Administration of GH and IGF-I on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).	100	7	BF	146 (1993).				
BH Healing," Calcif Tissue Int, 52:74-78 (1993). BH Healing," Calcif Tissue Int, 52:74-78 (1993). P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rat Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replicin Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinolog 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-I on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).				M. Lind et al., "Transforming Growth Factor-ß Enhances Fracture Healing in Rabbit Tibiae," Acta Orthop				
Healing," Calcif Tissue Int, 52:74-78 (1993). P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rat Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replicin Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinolog 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).			BG	Scand, 64(5):553-556 (1993).				
Healing," Calcif Tissue Int, 52:74-78 (1993). P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rat Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).				J. Andrew et al., "Demonstration of TGF-ß1 mRNA by In Situ Hybridization in Normal Human Fracture				
Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rab Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth In Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).	L		ВН	Healing," Calcif Tissue Int, 52:74-78 (1993).				
Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992). B.J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rab Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replic in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth In Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-I on Longitudinal Bone Growth In Rats The American Physiological Society, pps. E367-E372 (1986).				P. Wilton, "Treatment With Recombinant Human Insulin-Like Growth Factor I of Children With Growth				
Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replication in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).			BI	Hormone receptor Deficiency (Laron Syndrome)," Acta Paediatr Suppl, 383:137-141 (1992).				
Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992). M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replicing in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).				J. Carpenter et al., "Failure of Growth Hormone to Alter the Biomechanics of Fracture-Healing in a Rabbit				
the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990). J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replication in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Administration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).		\perp	BJ	Model," The Journal of Bone and Joint Surgery, Incorporated, 74-A(3):359-367 (March 1992).				
the Rat Femur," <i>The Journal of Cell Biology</i> , 110:2195-2207 (June, 1990). BL J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replication in Cultured Fetal Rat Calvariae," <i>Endocrinology</i> , 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," <i>Endocrinolog</i> 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell Replication," <i>Endocrinology</i> , 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," <i>Calcif Tissue Int</i> , 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-I on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).			l	M. Joyce et al., "Transforming Growth Factor-ß and the Initiation of Chondrogenesis and Osteogenesis in				
in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Control Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).			ВК	the Rat Femur," The Journal of Cell Biology, 110:2195-2207 (June, 1990).				
in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990). M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Conference Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).				J. Hock et al., "Transforming Growth Factor-ß Stimulates Bone Matrix Apposition and Bone Cell Replication				
BM 124(6):2991-2994 (1989). J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Control Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Administration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).			BL	in Cultured Fetal Rat Calvariae," Endocrinology, 126(1)421-426 (1990).				
J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Control Replication," <i>Endocrinology</i> , 122 ::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth in Hypophysectomized Rats," <i>Calcif Tissue Int</i> , 40 :91-96 (1987). J. Isgaard et al., "Effects of Local Administration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).				M. Noda et al., "In vivo Stimulation of Bone Formation by Transforming Growth Factor-ß," Endocrinology,				
Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Groin Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Administration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).			ВМ	124(6) :2991-2994 (1989).				
Replication," Endocrinology, 122::254-260 (1988). A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Groin Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Administration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).				J. Hock et al., "Insulin-Like Growth Factor I Has Independent Effects on Bone Matrix Formation and Cell				
in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Administration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).	L	1	BN	Replication," Endocrinology, 122::254-260 (1988).				
in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987). J. Isgaard et al., "Effects of Local Administration of GH and IGF-1 on Longitudinal Bone Growth in Rats The American Physiological Society, pps. E367-E372 (1986).		(A. Nilsson et al., "Effects of Unilateral Arterial Infusion of GH and IGF-I on Tibial Longitudinal Bone Growth				
The American Physiological Society, pps. E367-E372 (1986).		1	in Hypophysectomized Rats," Calcif Tissue Int, 40:91-96 (1987).					
The American Physiological Society, pps. E367-E372 (1986).		<u> </u>		J. Isgaard et al., "Effects of Local Adminisration of GH and IGF-1 on Longitudinal Bone Growth in Rats,"				
		KG	BP					
EXAMINER LAM. Que DATE CONSIDERED 5/21/03	EX	AMINE	R I/	DATE CONSIDERED				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.